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RAW SEQUENCE LISTING                      DATE: 08/29/2000  
 PATENT APPLICATION:    US/09/640,737              TIME: 13:03:14

Input Set : A:\36668seq.txt  
 Output Set: N:\CRF3\08292000\I640737.raw

ENTERED

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
 6        (i) APPLICANT: Mandelkow, Eva-Maria  
 7                      Mandelkow, Eckhard  
 8                      Lichtenberg-Kraag, Birgit  
 9                      Biernat, Jacek  
 10                     Drewes, Gerard  
 11                     Steiner, Barbara  
 13        (ii) TITLE OF INVENTION: Novel Tools For The Diagnosis And  
 14                                      Treatment Of Alzheimer's Disease  
 16        (iii) NUMBER OF SEQUENCES: 1  
 18        (iv) CORRESPONDENCE ADDRESS:  
 19              (A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
 20              (B) STREET: 233 South Wacker Drive, 6300 Sears Tower  
 21              (C) CITY: Chicago  
 22              (D) STATE: Illinois  
 23              (E) COUNTRY: United States of America  
 24              (F) ZIP: 60606-6402  
 26        (v) COMPUTER READABLE FORM:  
 27              (A) MEDIUM TYPE: Tape  
 28              (B) COMPUTER: IBM PC compatible  
 29              (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
 30              (D) SOFTWARE: PatentIn Release #1.0, Version #1.25  
 32        (vi) CURRENT APPLICATION DATA:  
 C--> 33              (A) APPLICATION NUMBER: US/09/640,737  
 C--> 34              (B) FILING DATE: 17-Aug-2000  
 35              (C) CLASSIFICATION:  
 37        (vii) ATTORNEY/AGENT INFORMATION:  
 38              (A) NAME: Joseph A. Williams, Jr.  
 39              (B) REGISTRATION NUMBER: 38,659  
 40              (C) REFERENCE/DOCKET NUMBER: 28384/32777  
 42        (ix) TELECOMMUNICATION INFORMATION:  
 43              (A) TELEPHONE: 312-474-6300  
 44              (B) TELEFAX: 312-484-0448  
 45              (C) TELEX: 25-3856  
 47 (2) INFORMATION FOR SEQ ID NO: 1:  
 49        (i) SEQUENCE CHARACTERISTICS:  
 50              (A) LENGTH: 441 amino acids  
 51              (B) TYPE: amino acid  
 52              (C) STRANDEDNESS: single  
 53              (D) TOPOLOGY: linear  
 55        (ii) MOLECULE TYPE: protein  
 57        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 59        Met Ala Glu Pro Arg Gln Glu Phe Glu Val Met Glu Asp His Ala Gly  
 60        1                                      5                                      10                                      15  
 62        Thr Tyr Gly Leu Gly Asp Arg Lys Asp Gln Gly Gly Tyr Thr Met His  
 63                                      20                                      25                                      30

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65   Gln Asp Gln Glu Gly Asp Thr Asp Ala Gly Leu Lys Glu Ser Pro Leu
66           35           40           45
68   Gln Thr Pro Thr Glu Asp Gly Ser Glu Glu Pro Gly Ser Glu Thr Ser
69           50           55           60
71   Asp Ala Lys Ser Thr Pro Thr Ala Glu Asp Val Thr Ala Pro Leu Val
72           65           70           75           80
74   Asp Glu Gly Ala Pro Gly Lys Gln Ala Ala Ala Gln Pro His Thr Glu
75           85           90           95
77   Ile Pro Glu Gly Thr Thr Ala Glu Glu Ala Gly Ile Gly Asp Thr Pro
78           100          105          110
80   Ser Leu Glu Asp Glu Ala Ala Gly His Val Thr Gln Ala Arg Met Val
81           115          120          125
83   Ser Lys Ser Lys Asp Gly Thr Gly Ser Asp Asp Lys Lys Ala Lys Gly
84           130          135          140
86   Ala Asp Gly Lys Thr Lys Ile Ala Thr Pro Arg Gly Ala Ala Pro Pro
87           145          150          155          160
89   Gly Gln Lys Gly Gln Ala Asn Ala Thr Arg Ile Pro Ala Lys Thr Pro
90           165          170          175
92   Pro Ala Pro Lys Thr Pro Pro Ser Ser Gly Glu Pro Pro Lys Ser Gly
93           180          185          190
95   Asp Arg Ser Gly Tyr Ser Ser Pro Gly Ser Pro Gly Thr Pro Gly Ser
96           195          200          205
98   Arg Ser Arg Thr Pro Ser Leu Pro Thr Pro Pro Thr Arg Glu Pro Lys
99           210          215          220
101  Lys Val Ala Val Val Arg Thr Pro Pro Lys Ser Pro Ser Ser Ala Lys
102           225          230          235          240
104  Ser Arg Leu Gln Thr Ala Pro Val Pro Met Pro Asp Leu Lys Asn Val
105           245          250          255
107  Lys Ser Lys Ile Gly Ser Thr Glu Asn Leu Lys His Gln Pro Gly Gly
108           260          265          270
110  Gly Lys Val Gln Ile Ile Asn Lys Lys Leu Asp Leu Ser Asn Val Gln
111           275          280          285
113  Ser Lys Cys Gly Ser Lys Asp Asn Ile Lys His Val Pro Gly Gly Gly
114           290          295          300
116  Ser Val Gln Ile Val Tyr Lys Pro Val Asp Leu Ser Lys Val Thr Ser
117           305          310          315          320
119  Lys Cys Gly Ser Leu Gly Asn Ile His His Lys Pro Gly Gly Gly Gln
120           325          330          335
122  Val Glu Val Lys Ser Glu Lys Leu Asp Phe Lys Asp Arg Val Gln Ser
123           340          345          350
125  Lys Ile Gly Ser Leu Asp Asn Ile Thr His Val Pro Gly Gly Gly Asn
126           355          360          365
128  Lys Lys Ile Glu Thr His Lys Leu Thr Phe Arg Glu Asn Ala Lys Ala
129           370          375          380
131  Lys Thr Asp His Gly Ala Glu Ile Val Tyr Lys Ser Pro Val Val Ser
132           385          390          395          400
134  Gly Asp Thr Ser Pro Arg His Leu Ser Asn Val Ser Ser Thr Gly Ser
135           405          410          415
137  Ile Asp Met Val Asp Ser Pro Gln Leu Ala Thr Leu Ala Asp Glu Val

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|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 138 |     |     |     | 420 |     |     |     | 425 |     | 430 |
| 140 | Ser | Ala | Ser | Leu | Ala | Lys | Gln | Gly | Leu |     |
| 141 |     |     | 435 |     |     |     |     | 440 |     |     |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/640,737

DATE: 08/29/2000

TIME: 13:03:15

Input Set : A:\36668seq.txt

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L:33 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:34 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]